

Values Throughout Report Are Expressed in Millions of USD

Visit on 16 July, 2009

<b>RiskMark</b>	Fire Hazard Score: 32.88	Total Score: 87.58	Percentile within Client/Account: 50
	Equipment Hazard Score: 1.60	Potential Score: 87.58	Percentile within Industry: 96
	Natural Hazard Score: 26.00	Percent of Potential Score: 100%	Percentile within FM Global: 93
	Occupancy Hazard Score: 8.10		
	H. E. / Other Factors Score: 19.00		
<b>MFL:</b>	PD: 83.37	BI: 11.18	

## Recommendation Summary: No active recommendations exist

### Occupancy Public Auditoriums, Convention Centers, Sport Arenas, and Country Clubs

#### What Does this Site Do?:

This multipurpose arena is used for sporting events, music concerts, large gatherings, etc. There is an associated Administration Building and parking deck.

#### Auditoriumns-AS Occupancy Comments:

This arena project costs \$250 million to build and took about 20 mo. to complete. This is a joint project involving the city, county, and public building authority. FedEx Corporation was a heavy supporter of this project. They also bought the naming rights. Their name is printed above the plaza entrance and also painted on the roof. This arena building is being called the FedExForum. There are 32 luxury suites which cost anywhere from \$99,000 cheapest up to \$249,000 most expensive at the Club Level. FedEx Corporation and First Tennessee Bank are the only company's that have a double suite situated at center court. Other party suites are also available for rent on a game day basis only. Total of 60 suites.

**Atypical Processes and Equipment:** This site is occupied 24 hr. at 365 days/yr. by several security guards, including at least two persons normally stationed at the main security guard post nearest to the Players Parking Garage. This site is also occupied 24/7 by at least one building engineer at all times.

### Construction Data in this section was directly calculated from available data for the individual buildings

Construction Type	Area (ft2)	%	# Stories Above Ground	# Basement Levels
Reinforced Concrete Construction	1,220,440	86	5	2
Concrete on Protected Steel	36,992	3	3	
Steel Deck (1) Type Construction	149,300	11	4	
Steel Deck (2) Type Construction	12,330	1	4	
Total Area				
		1,419,062 (ft2)		

### Protection

<b>Automatic Sprinklers:</b>	Provided: 53 %	Needed: 0 %
<b>Pumper Suction Reliable:</b>	No	Description:

<b>Water Supplies:</b> (Installed unless otherwise stated)			
Type	Name	Static Pressure (psi)	Capacity (gallons)
Public	City of Memphis	84.0	9,999,999,999.0

<b>Fire Pumps:</b> (Installed unless otherwise stated)					
Name	Pump Type	Driver Type	Flow (gpm)	Pressure (psi)	Speed
Fire Pump System	Horizontal	Electric Driver	2,000.0	65.0	1780

Fire Dept.: Paid  
Watch Service: Present: Yes Plant Covered: 100 %  
Intervals: Nights: 4 hours Days: 4 hours  
Fire Detection System: Plant Covered: 1 % Connected to: Guardhouse,  
Unapproved Proprietary Station

## Natural Hazards

### Flood

Presents a Hazard to Site? No

### Earthquake

Presents a Hazard to Site? Moderate

### Wind

Presents a Hazard to site? No

## Water Tests for Fire Pumps/Water Supplies

Item	Type	Date	By	Flow Rate (gpm)	P1* (psi)	P2* (psi)
<b>FlowPoint</b>	<b>Gauge Location</b>	<b>Comments</b>				
Fire Pump System	Pump Test	Jul 2009	FM Global Employee	0.0	85.0	172.0
pump header	fire pump house	churn only				
Fire Pump System	Pump Test	Feb 2009	Contractor	2,940.0	64.0	109.0
pump header	fire pump room	done by Moore Pump & Equipment				
Fire Pump System	Pump Test	Feb 2009	Contractor	1,915.0	75.0	142.0
pump header	fire pump room	done by Moore Pump & Equipment				
Fire Pump System	Pump Test	Feb 2009	Contractor	0.0	82.0	164.0
pump header	fire pump room	done by Moore Pump & Equipment				
Fire Pump System	Pump Test	Jan 2007	Contractor	3,039.0	70.0	116.0
Pump Header	Pump Guages					

Index 000605.52-02  
Account 01-39437  
Order ID 0000845627-7

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Item	Type	Date	By	Flow Rate (gpm)	P1* (psi)	P2* (psi)
Fire Pump System	Pump Test	Jan 2007	Contractor	2,035.0	77.0	142.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Jan 2007	Contractor	0.0	83.0	162.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Nov 2005	Contractor	3,037.0	70.0	119.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Nov 2005	Contractor	1,993.0	80.0	148.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Nov 2005	Contractor	1,077.0	83.0	163.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Nov 2005	Contractor	0.0	85.0	167.0
Churn	Pump Guages					
Fire Pump System	Pump Test	May 2005	FM Global Employee	0.0	90.0	165.0
Churn	Pump Guages					
Fire Pump System	Pump Test	Nov 2004	FM Global Employee	3,000.0	71.0	118.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Nov 2004	FM Global Employee	2,500.0	75.0	136.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Nov 2004	FM Global Employee	2,000.0	77.0	147.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Nov 2004	FM Global Employee	1,000.0	81.0	165.0
Pump Header	Pump Guages					
Fire Pump System	Pump Test	Nov 2004	FM Global Employee	0.0	84.0	169.0
Pump Header	Pump Guages					
* Water/Combined Tests: P1=Static; P2=Residual						
* Pump Tests: P1=Suction; P2=Discharge						

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